Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/01/2020 10:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126682	1	2.52	126668	2.48
Blue	F	SSC	125000	125605	0	2.17	126367	2.20
Blue	E	FITC	15892	15554	-3	2.92	339	20.47
Blue	D	PE	29999	29367	-3	2.12	639	15.16
Blue	B	PerCP-Cy5-5	43732	43471	-1	3.86	1168	20.54
Blue	A	PE-Cy7	30845	31033	0	6.16	595	41.75
Red	C	APC	46112	45322	-2	2.45	1602	12.07
Red	A	APC-Cy7	30458	30050	-2	2.47	792	12.10
Violet	B	V450	7918	7648	-4	4.13	436	12.82
Violet	A	V500	32171	31155	-4	3.94	730	10.41

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17173	11.13	632	11	N/A	N/A	Pass
Blue	F	SSC	57463	1.56	570	11	N/A	N/A	Pass
Blue	E	FITC	62	64.02	548	5	0.0189	115	Pass
Blue	D	PE	134	49.94	553	5	0.1485	243	Pass
Blue	B	PerCP-Cy5-5	217	50.39	660	4	0.0090	70	Pass
Blue	A	PE-Cy7	110	102.64	703	5	0.0103	14	Pass
Red	C	APC	380	25.17	587	3	0.0246	144	Pass
Red	A	APC-Cy7	175	28.86	559	3	0.0054	906	Pass
Violet	B	V450	65	58.87	461	3	0.0529	2043	Pass
Violet	A	V500	109	34.11	477	3	0.0234	877	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-33.05	-32.47	0.97
Blue	20.36	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.42
Red	17.32	13.60 - 20.40	N/A	N/A	29.85	30.34	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9680

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments